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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/044,722DATE: 02/11/2002
TIME: 09:55:54Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\02112002\J044722.raw

ENTERED

3 <110> APPLICANT: DiCICCO-BLOOM, Emanuel
 4 NICOT, Arnaud
 5 LU, Nairu
 6 SUH, Junghyup
 8 <120> TITLE OF INVENTION: Pituitary adenylate cyclase-activating polypeptide (PACAP)
 is an anti-
 9 mitogenic signal for selected neuronal precursors in vivo
 11 <130> FILE REFERENCE: 270/175
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/044,722
 14 <141> CURRENT FILING DATE: 2002-01-11
 16 <160> NUMBER OF SEQ ID NOS: 8
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 114
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapiens
 25 <400> SEQUENCE: 1
 26 cactcgacggatcttacggacagctacggccgtaccggaaacaaatggctgtcaag 60
 28 aaataacttggcggccgtcctagggaaagaggataaaacaaagggttaaaaaa caaa 114
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 38
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Homo sapiens
 36 <400> SEQUENCE: 2
 38 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
 39 1 5 10 15
 42 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys
 43 20 25 30
 46 Gln Arg Val Lys Asn Lys
 47 35
 50 <210> SEQ ID NO: 3
 51 <211> LENGTH: 525
 52 <212> TYPE: PRT
 53 <213> ORGANISM: Homo sapiens
 55 <400> SEQUENCE: 3
 57 Met Ala Gly Val Val His Val Ser Leu Ala Ala His Cys Gly Ala Cys
 58 1 5 10 15
 61 Pro Trp Gly Arg Gly Arg Leu Arg Lys Gly Arg Ala Ala Cys Lys Ser
 62 20 25 30
 65 Ala Ala Gln Arg His Ile Gly Ala Asp Leu Pro Leu Leu Ser Val Gly
 66 35 40 45
 69 Gly Gln Trp Cys Trp Pro Arg Ser Val Met Ala Gly Val Val His Val
 70 50 55 60
 73 Ser Leu Ala Ala Leu Leu Leu Pro Met Ala Pro Ala Met His Ser

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74	65	70	75	80												
77	Asp	Cys	Ile	Phe	Lys	Lys	Glu	Gln	Ala	Met	Cys	Leu	Glu	Lys	Ile	Gln
78					85					90						95
81	Arg	Ala	Asn	Glu	Leu	Met	Gly	Phe	Asn	Asp	Ser	Ser	Pro	Gly	Cys	Pro
82					100				105						110	
85	Gly	Met	Trp	Asp	Asn	Ile	Thr	Cys	Trp	Lys	Pro	Ala	His	Val	Gly	Glu
86					115				120						125	
89	Met	Val	Leu	Val	Ser	Cys	Pro	Glu	Leu	Phe	Arg	Ile	Phe	Asn	Pro	Asp
90					130			135						140		
93	Gln	Val	Trp	Glu	Thr	Glu	Thr	Ile	Gly	Glu	Ser	Asp	Phe	Gly	Asp	Ser
94	145				150					155					160	
97	Asn	Ser	Leu	Asp	Leu	Ser	Asp	Met	Gly	Val	Val	Ser	Arg	Asn	Cys	Thr
98					165				170						175	
101	Glu	Asp	Gly	Trp	Ser	Glu	Pro	Phe	Pro	His	Tyr	Phe	Asp	Ala	Cys	Gly
102					180			185						190		
105	Phe	Asp	Glu	Tyr	Glu	Ser	Glu	Thr	Gly	Asp	Gln	Asp	Tyr	Tyr	Tyr	Leu
106					195			200						205		
109	Ser	Val	Lys	Ala	Leu	Tyr	Thr	Val	Gly	Tyr	Ser	Thr	Ser	Leu	Val	Thr
110					210			215						220		
113	Leu	Thr	Thr	Ala	Met	Val	Ile	Leu	Cys	Arg	Phe	Arg	Lys	Leu	His	Cys
114	225				230				235						240	
117	Thr	Arg	Asn	Phe	Ile	His	Met	Asn	Leu	Phe	Val	Ser	Phe	Met	Leu	Arg
118					245				250						255	
121	Ala	Ile	Ser	Val	Phe	Ile	Lys	Asp	Trp	Ile	Leu	Tyr	Ala	Glu	Gln	Asp
122					260			265						270		
125	Ser	Asn	His	Cys	Phe	Ile	Ser	Thr	Val	Glu	Cys	Lys	Ala	Val	Met	Val
126					275			280						285		
129	Phe	Phe	His	Tyr	Cys	Val	Val	Ser	Asn	Tyr	Phe	Trp	Leu	Phe	Ile	Glu
130					290			295						300		
133	Gly	Leu	Tyr	Leu	Phe	Thr	Leu	Leu	Val	Glu	Thr	Phe	Phe	Pro	Glu	Arg
134	305				310				315						320	
137	Arg	Tyr	Phe	Tyr	Trp	Tyr	Thr	Ile	Ile	Gly	Trp	Gly	Thr	Pro	Thr	Val
138					325				330						335	
141	Cys	Val	Thr	Val	Trp	Ala	Thr	Leu	Arg	Leu	Tyr	Phe	Asp	Asp	Thr	Gly
142					340			345						350		
145	Cys	Trp	Asp	Met	Asn	Asp	Ser	Thr	Ala	Leu	Trp	Trp	Val	Ile	Lys	Gly
146					355			360						365		
149	Pro	Val	Val	Gly	Ser	Ile	Met	Val	Asn	Phe	Val	Leu	Phe	Ile	Gly	Ile
150					370			375						380		
153	Ile	Val	Ile	Leu	Val	Gln	Lys	Leu	Gln	Ser	Pro	Asp	Met	Gly	Gly	Asn
154	385				390				395						400	
157	Glu	Ser	Ser	Ile	Tyr	Leu	Arg	Leu	Ala	Arg	Ser	Thr	Leu	Leu	Leu	Ile
158					405				410						415	
161	Pro	Leu	Phe	Gly	Ile	His	Tyr	Thr	Val	Phe	Ala	Phe	Ser	Pro	Glu	Asn
162					420			425						430		
165	Val	Ser	Lys	Arg	Glu	Arg	Leu	Val	Phe	Glu	Leu	Gly	Leu	Gly	Ser	Phe
166					435			440						445		
169	Gln	Gly	Phe	Val	Val	Ala	Val	Leu	Tyr	Cys	Phe	Leu	Asn	Gly	Glu	Val
170					450			455						460		

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173 Gln Ala Glu Ile Lys Arg Lys Trp Arg Ser Trp Lys Val Asn Arg Tyr
174 465 470 475 480
177 Phe Ala Val Asp Phe Lys His Arg His Pro Ser Leu Ala Ser Ser Gly
178 485 490 495
181 Val Asn Gly Gly Thr Gln Leu Ser Ile Leu Ser Lys Ser Ser Ser Gln
182 500 505 510
185 Ile Arg Met Ser Gly Leu Pro Ala Asp Asn Leu Ala Thr
186 515 520 525
189 <210> SEQ ID NO: 4
190 <211> LENGTH: 33
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: PACAP with first 5 amino acids truncated
197 <400> SEQUENCE: 4
199 Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln Met Ala Val Lys Lys
200 1 5 10 15
203 Tyr Leu Ala Ala Val Leu Gly Lys Arg Tyr Lys Gln Arg Val Lys Asn
204 20 25 30
207 Lys
211 <210> SEQ ID NO: 5
212 <211> LENGTH: 44
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Sand fly - truncation of SEQ.ID.NO.6 Maxadilan
219 <400> SEQUENCE: 5
221 Cys Asp Ala Thr Cys Gln Phe Arg Lys Ala Ile Asp Asp Cys Gln Lys
222 1 5 10 15
225 Gln Ala His His Ser Asn Val Pro Gly Asn Ser Val Phe Lys Glu Cys
226 20 25 30
229 Met Lys Gln Lys Lys Lys Glu Phe Lys Ala Gly Lys
230 35 40
233 <210> SEQ ID NO: 6
234 <211> LENGTH: 61
235 <212> TYPE: PRT
236 <213> ORGANISM: Sand fly
238 <400> SEQUENCE: 6
240 Cys Asp Ala Thr Cys Gln Phe Arg Lys Ala Ile Asp Asp Cys Gln Lys
241 1 5 10 15
244 Gln Ala His His Ser Asn Val Leu Gln Thr Ser Val Gln Thr Thr Ala
245 20 25 30
248 Thr Phe Thr Ser Met Asp Thr Ser Gln Leu Pro Gly Asn Ser Val Phe
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252 Lys Glu Cys Met Lys Gln Lys Lys Lys Glu Phe Lys Ala
253 50 55 60
256 <210> SEQ ID NO: 7
257 <211> LENGTH: 27
258 <212> TYPE: PRT

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259 <213> ORGANISM: Homo sapiens
261 <400> SEQUENCE: 7
263 His Ser Asp Gly Ile Phe Thr Asp Ser Tyr Ser Arg Tyr Arg Lys Gln
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267 Met Ala Val Lys Lys Tyr Leu Ala Ala Val Leu
268 20 25
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272 <211> LENGTH: 28
273 <212> TYPE: PRT
274 <213> ORGANISM: Homo sapiens
276 <400> SEQUENCE: 8
278 His Ser Asp Ala Val Phe Thr Asp Asn Tyr Thr Arg Leu Arg Lys Gln
279 1 5 10 15
282 Met Ala Val Lys Lys Tyr Leu Asn Ser Ile Leu Asn
283 20 25

VERIFICATION SUMMARY
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L:13 M:270 C: Current Application Number differs, Replaced Current Application Number